PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Bruce A. Beutel, et al.

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WHOLE GENOMES

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/Wanda E. Smith/ Wanda E. Smith 1/25/07

Date

Response and Amendments

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The following is in response to the Office Action mailed on October 25, 2006.

Amendments to the specification begin on page 2 of this communication.

Amendments to the claims begin on page 3 of this communication

Remarks begin on page 9 of this communication.